

## ABSTRACT

Disclosed is a mobile communication system for handover between heterogeneous mobile communication networks. A dual-mode terminal has first and second modules capable of performing communication in first and second heterogeneous communication technologies, respectively. The dual-mode terminal measures strength of a signal received by the first module to determine whether the dual-mode terminal has moved between the mobile communication networks. If it is determined that the dual-mode terminal moves to a different network, the dual-mode terminal measures the strength of a signal transmitted from the different network, and converts measurement information into a first SMS message. A first mobile communication network device provides a service for performing communication with the first module, restores data from the first SMS message, and transmits the restored data to an interface network. The first mobile communication network device converts channel assignment information transmitted from the interface network into an SMS message, and transmits the SMS message to the dual-mode terminal. A second mobile communication network device communicates with the second module, detects the measurement information from the data transmitted from the first mobile communication network device to assign a channel for communicating with the second module, and transmits channel assignment information to the first mobile communication network device.